

# MAGNETIC STORM SUDDEN COMMENCEMENTS AND SOLAR FLARE EFFECTS (PRELIMINARY REPORT ON RAPID MAGNETIC VARIATIONS)

August 2002

Storm Sudden Commencements (SSC)			Solar Flare Effects (sfe)		
Day	Time	Quality: Station Group*	Day	Begin-End	Station(s)
01	0510	A: ETT*	18	0959-1022	ETT
		B: NUR* MMB* EBR* KAK* KNY* HYB HER	21	0531-0545	MMB+ KAK+ KNY+ HYB
		C: SOD NGK* VAL BDV* NAG* GCK* SPT*	24	0054-0610	MMB+ KAK+ KNY+
		-: COI			GNA+ CNB+
01	2309	A: VAL* NAG*	30	1327-1406	NGK
		B: NGK* HRB* EBR*			
		C: CLF LIV*			
		-: COI			
18	1846	A: NUR NGK* VAL* HRB NAG* SPT* HYB ETT HER			
		B: BDV* CLF* MMB* EBR KAK* KNY* GNA* CNB* LIV*			
		C: GCK			
		-: COI			
26	1131	B: SOD* VAL* LIV*			
		C: NGK* BDV* GCK EBR SPT			

## REPORTING OBSERVATORIES (up to the 3rd of October 2002):

SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK KNY HYB ETT GNA HER CNB LIV

Three-letter codes identify each observatory. Reporting stations have been grouped by the character of the observed event. The letter A means very remarkable; B means fair, but unmistakable; C means very poor, doubtful; and - means no quality figure given. The \* means that the SSC, at least in one component, was preceded by a small reversed impulse. SSCs are given only when five or more stations report the event. SFEs include all reports. If an SFE is confirmed by solar or ionospheric events, the name of the station is identified with a plus sign (+).

Note that we have included data of the Antarctic Station LIVINGSTONE (62° 39' 44" S, 60°23' 41" W) – Luis F.